

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/524,860 A
Source: IFWP
Date Processed by STIC: 08/04/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/04/2006

PATENT APPLICATION: US/10/524,860A

TIME: 12:07:03

Input Set : A:\Q86151 Sequence Listing.ST25.txt

Output Set: N:\CRF4\08042006\J524860A.raw

3 <110> APPLICANT: Nichirei Corporation

5 <120> TITLE OF INVENTION: Primer and probe for detecting *Vibrio vulnificus* and detection

6 method using the same

8 <130> FILE REFERENCE: Q86151

10 <140> CURRENT APPLICATION NUMBER: US 10/524,860A

11 <141> CURRENT FILING DATE: 2005-02-18

13 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/010846

14 <151> PRIOR FILING DATE: 2003-08-27

16 <160> NUMBER OF SEQ ID NOS: 20

18 <170> SOFTWARE: PatentIn version 3.3

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 885

22 <212> TYPE: DNA

23 <213> ORGANISM: Artificial Sequence

25 <220> FEATURE:

26 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus sequence of the *gyrB*

27 gene of the cluster to which *Vibrio vulnificus* belongs

29 <400> SEQUENCE: 1

30	gtgtctggcg	gtcttcacgg	tgtwgggygtt	tcggtggtra	acgcaytgtc	tgaaaaagtr	60
32	ctrytkacga	ttcatcgtag	tggtcatacy	cayagccaaa	cctatcgta	tggtgtgcct	120
34	gatgcaccgc	ttgctatcat	cggygatacy	gaaaaaacgc	gtaccacggt	acgtttctgg	180
36	cgaagtgcks	aaaccttcas	caacatcgaa	tttcattatg	acatcctagc	gaagcgtyta	240
38	cgtgagctct	cttctgtgaa	ctckggcggt	tckatcaaac	tgtttgatga	gcgcgaagaa	300
40	gataagraag	atcacttcat	gtatgaaggt	ggtattcaag	cgtytygtac	tcacttgaac	360
42	cgcaacaara	cmcccatcca	tgaaaaagta	ttccatttga	aykcygagcg	tgaagacggk	420
44	attgckgttg	aagtggcgat	gcagtggaa	gatggyttcc	aagaaaacat	ctactgtttt	480
46	accaacaaca	tcccacagcg	tgaygggtgt	acccacttag	cgggtttccg	ygcggcattg	540
48	acgcgcacay	tgaacagcta	catggacaaa	gaaggytact	craagaaagc	gaaaaccgcg	600
50	acttctgggy	aygatgcgcg	tgaaggtttg	acygcwgtyg	tttcagthaa	agtrccggat	660
52	ccaaaattct	caagccaaac	yaaagacaaa	ctggtttcta	gygaagtraa	gtccgcagtg	720
54	gaatccttca	tggcagacaa	actgaacgac	ttcttrgcyg	arcaccaag	cgaagcgaaa	780
56	accgtttgtt	ctaagattat	cgacgcgcga	cgtgcgcgtg	aagcagcrgc	taaagcgcg	840
58	gaaatgacrc	gccgtaaagg	ggcrttagay	cttgctggcc	ttccw		885

61 <210> SEQ ID NO: 2

62 <211> LENGTH: 819

63 <212> TYPE: DNA

64 <213> ORGANISM: Artificial Sequence

66 <220> FEATURE:

67 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus sequence of the

68 *rpoD* gene of the cluster to which *Vibrio vulnificus* belongs

71 <220> FEATURE:

72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (280)..(285)

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74 <223> OTHER INFORMATION: n is a, c, g, or t
76 <400> SEQUENCE: 2
77 actcgtgaag gcgaaatcga catcgctaam cgaattgaag atggatatcaa ccaagtacag      60
79 tcstctgttg ctgaataccc aggaaccatt ccttatattc tkgaacagtt cgacaaagta      120
81 caagcgggaag aacttcgcct mactgatctt atcagtggtt ttgttgatcc aaatgcagat      180
83 gaaacggcwg ctccaaccgc aacacacaty gggttcagagc ttgcagaatc tgatttgga      240
W--> 85 gatgaagaca ayaccgacat cgacgatgaa gacgaagayn nnnnngaaga tggcgattca      300
87 agcagygatt cagaggamga tgtcggcatc gaccctgaaa tggcgctaga gaagttyact      360
89 carcttcgta acagctayca gaatctgcaa cttgccktra atgaacatgg tcgagagagt      420
91 gctcaaacag ctcaagccca tgaactgatg ctcgatgtgt ttaaagagtt tcgtctaacd      480
93 ccgaagcagt ttgaccattt ggtaacgaa cttcgcaccg cyatggatcg cgttcgtack      540
95 caagarcgyt tgatcatgaa rtctgcggtg gaaatcgcsa aratgccraa gaartcktty      600
97 atygcwctct tyactggcaa cgartcwarc gaagaatggt tagatmagat cctmgyytct      660
99 gayaagccrt acgyagaaaa gatyaaarctk cacgaagaag acattcgtcg ttcaatcdcc      720
101 aagctaagag caattgaaga agaaacgtcg ctttcagtra rcaacatcaa agacatcagc      780
103 cgtcgtatgt ctatmggtga agcmaaagct cgccgtgcy      819
106 <210> SEQ ID NO: 3
107 <211> LENGTH: 648
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus
sequence of the
113      recA gene of the cluster to which Vibrio vulnificus belongs
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (330)..(330)
119 <223> OTHER INFORMATION: n is a, c, g, or t
121 <400> SEQUENCE: 3
122 ccaatgggcc gtatcggtga aatttttggg ccagaatctt caggtaaaac cacgttgacc      60
124 cttgagctga tcgctgcrgc tcaacgtgaa ggcaaaactt gtgcgtttat cgatgcygag      120
126 cagcgttrg atcctgtgta tgcgaagaar cttggcggtwa atatcgacca rttrttggta      180
128 tctcagccyg aycbagggtga acaagcrttg gaaatctgtg atgckcttgc tcgctcaggk      240
130 gcggttgayg ttattgttgt cgaytctgk gcmgcattga crccaaaggc agaaatygaa      300
W--> 132 ggtgagatgg gygaytcgca catgggtctn caagctcgta tgctmtctca agcgatgcgt      360
134 aagytaacgg gkaacctaaa rcagtctaac tgtatgtgta tcttcatyaa ccagatycgt      420
136 atgaagatyg gkggtgatgtt tggtaaycca gaaaccacaa crggtggtaa cgcwctgaaa      480
138 ttctacgctt ctgtwcgtct tgatattcgc cgtactgggtg cratcaaaga aggygatgag      540
140 gtmgtgggta aygaaacgcg yatcaaagtg gtgaagaata agatcgctgc gccgtttaaa      600
142 gaagccaaya cycaaattat gtayggccar ggcwtttaacc gygaaggy      648
145 <210> SEQ ID NO: 4
146 <211> LENGTH: 15
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
153 <400> SEQUENCE: 4
154 gtgtctggcg gtctt      15
157 <210> SEQ ID NO: 5
158 <211> LENGTH: 21

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159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
165 <400> SEQUENCE: 5
166 gatgcaccgc ttgctatcat c 21
169 <210> SEQ ID NO: 6
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
177 <400> SEQUENCE: 6
178 tgcggactty acttcrct 18
181 <210> SEQ ID NO: 7
182 <211> LENGTH: 19
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
189 <400> SEQUENCE: 7
190 gtccatgtag ctgttcart 19
193 <210> SEQ ID NO: 8
194 <211> LENGTH: 21
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
201 <400> SEQUENCE: 8
202 ttgtctgcca tgaaggattc c 21
205 <210> SEQ ID NO: 9
206 <211> LENGTH: 19
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
213 <400> SEQUENCE: 9
214 aatcgacatc gctaamcga 19
217 <210> SEQ ID NO: 10
218 <211> LENGTH: 19
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
225 <400> SEQUENCE: 10
226 gttcgacaaa gtacaagcg 19
229 <210> SEQ ID NO: 11
230 <211> LENGTH: 18
231 <212> TYPE: DNA

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232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
237 <400> SEQUENCE: 11
238 tcaagcagyg attcagag 18
241 <210> SEQ ID NO: 12
242 <211> LENGTH: 16
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
249 <400> SEQUENCE: 12
250 aatggcgcta gagaag 16
253 <210> SEQ ID NO: 13
254 <211> LENGTH: 19
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
261 <400> SEQUENCE: 13
262 cktraatgaa catggtcga 19
265 <210> SEQ ID NO: 14
266 <211> LENGTH: 21
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
273 <400> SEQUENCE: 14
274 gaactgatgc tcgatgtgtt t 21
277 <210> SEQ ID NO: 15
278 <211> LENGTH: 20
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
285 <400> SEQUENCE: 15
286 aatgtcttct tcgtgmagyt 20
289 <210> SEQ ID NO: 16
290 <211> LENGTH: 21
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
297 <400> SEQUENCE: 16
298 ttgatgttgy tyactgaaag c 21
301 <210> SEQ ID NO: 17
302 <211> LENGTH: 21
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence

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306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
309 <400> SEQUENCE: 17
310 cctgtgtatg cgaagaarct t                                     21
313 <210> SEQ ID NO: 18
314 <211> LENGTH: 19
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
321 <400> SEQUENCE: 18
322 tatcgaccar ttrttggta                                     19
325 <210> SEQ ID NO: 19
326 <211> LENGTH: 21
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
333 <400> SEQUENCE: 19
334 aagmgcatca cagatttcca a                                     21
337 <210> SEQ ID NO: 20
338 <211> LENGTH: 21
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
345 <400> SEQUENCE: 20
346 tcaaccgcmc ctgagcgagc a                                     21

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/524,860A

DATE: 08/04/2006
TIME: 12:07:04

Input Set : A:\Q86151 Sequence Listing.ST25.txt
Output Set: N:\CRF4\08042006\J524860A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 280,281,282,283,284,285

Seq#:3; N Pos. 330

VERIFICATION SUMMARY

DATE: 08/04/2006

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Input Set : A:\Q86151 Sequence Listing.ST25.txt

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L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240

L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300